

Abstract of the Disclosure

PRE-CHAMBERED TYPE SPARK PLUG WITH A FLAT BOTTOM BEING  
ALIGNED WITH A BOTTOM SURFACE OF A CYLINDER HEAD

- [27]                The present spark plug is of the encapsulated design and facilitates the life of the spark plug, enhances the combustion process and reduces emissions. The position of the spark plug is substantially within a cylinder head external of a combustion chamber of an engine and close to a cooling passage which reduces the heat transferred to the spark plug and increases the life of the spark plug. The configuration or design of the spark plug makes the manufacturing process less costly and facilitates the combustion process by using one of a single orifice or a plurality of orifices positioned at and in a preestablished manner. The configuration will reduce or eliminate pre-ignition and other detonation problems enabling the timing to be advanced further reducing emissions.